GV-201 User Manual

Version 1.3A-U11

You can stick the serial number label of Navigation software in below:

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Chapter 1 Features and Specification

Features

- · Complete car navigation solution in one box including car mount
- Simple touch-screen operation
- 4.0" screen, 65536 colors, bright TFT LCD
- · Smart and easy:
 - Attach, switch it on and go
 - Large Function icons design for easy touched
 - User-Friendly keypad
 - Clear, high quality voice-guided instruction
 - Powered by cigarette lighter or long-life rechargeable battery
 - Easy to be mounted and removed
- Built-in antenna; MMCX-type connector for optional external antenna
- · SD storage card expansion slot
- Supports MP3 and Movie file (dat and mpg format) Playback Function
- · Supports Photo View

Specification

► Hardware

Processor:	Samsung S3C2410 266Mhz 32 bits RISC Mobile Application Processor
Screen:	4.0", 320×240 pixel, 65536 colors TFT LCD
System Memory:	64 MB SDRAM, 64MB Flash Memory
Battery:	Rechargeable 1300 mAh Li-ion battery
	One DC-IN jack: DC 4.6V~5.4V , 2A, Charging Time: 3hrs
GPS Receiver:	SiRF Star III High sensitivity chipset
	20 channels "All-in-view" tracking
	Built-in active antenna
	MMCX-type connector for optional external antenna
	Hot start, 1 sec average
	Warm start, 38 sec average
	Cold start, 42 sec average
	Reacquisition, 100 ms
Display Interface:	4.0 Diagonal - 320x240 pixel, color TFT LCD
	Touch Screen Support Back light specification: 250 cd/m ²
A. die leterfees	
Audio Interface:	Audio Codec: 24 bit codec
	Sound: Internal mono loud speaker
	3.5mm DIA stereo earphone jack output
00.5	1W speaker amplify
SD Expansion Slot:	SD card for maps/application storage
External power:	Cigarette plug or universal adapter
USB Port:	USB 1.1
Physical Size:	90mm (H) * 135 mm (W) * 29.4 mm (D)
Buttons:	Power Key, System Menu, Mute, Zoom In, Zoom Out, Volume +,
	Volume –, Reset Key (S/W reset) ; [Power Key + Reset Key] (H/W reset)

▶ Software

Microsoft Windows CE.Net 4.2 Core version		
Application Software, Navigation Software and Map data (Europe or North America map)		
SD card download the maps data from PC (DVD-ROM) via the card reader		
Solutions: Car Navigation, MP3 Player, Movie Playback (.mpg, .dat) Function, Photo View		

	System UI language	Navigation software UI and voice command	
North America version	English, German, French, Italian, Spanish, Dutch	Dutch, French, Italian, Portugese,	English_US, German, Mexican, Spanish,
Europe version	English, German, French, Italian, Spanish, Dutch	English, German, Italian, Portuguese, Danish, Norwegian,	Turkish, French, Spanish, Dutch, Swedish, Polish,





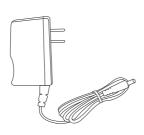
GV-201
(including a stylus)







• USB cable

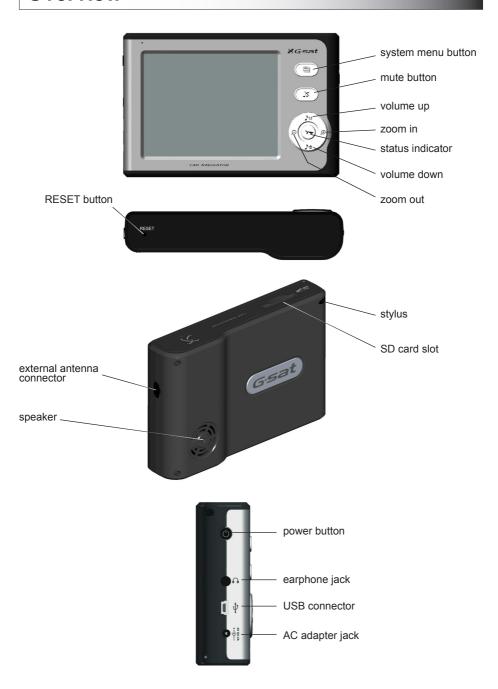


AC adapter



• Car charger

Overview



Detailed Hardware Functions

Power button	Press the power button to turn on the GV-201, press it again to close any
	open windows and turn it off (enter a standby mode).
	NOTE: The GV-201 device needs about 2 seconds to enter the standby
	mode or come back to normal operating state. Thus, the power
	button may not function well if you continue to press it again within
	2 seconds.
Main Control	System Menu
Buttons	Mute
	Zoom Out (Car Navigation Only)
	Zoom In (Car Navigation Only)
	Volume Down
	Volume Up
Status Indicator	charging: yellow blinking.
	charging completed: yellow.
	battery low: red.
SD card slot	The PC applications and map data can be stored in the SD card.
RESET button	Use the stylus tip to press down the reset button through the hole to reset
	the system.
Earphone jack	Plug the earphone or headset to the socket, you can listen to the navigation voice guide and enjoy your favorite MP3 music.
USB Connector	Connect the GV-201 to PC via a USB cable for data transfer.
AC adapter jack	Connect the external power connector by using car charger or AC Adaptor.
External	For you to connect an optional MMCX-type external antenna.
antenna	
connector	
Speaker	Allow the MP3 and Voice Navigation to played through the built-in speaker
	in the back side of the device.
Stylus	You can use the stylus pen instead of your finger to tap or input on the
	screen.

Chapter 2 Getting Started

Before you start to use the GV-201, please connect it with the AC adapter and plug to power socket for battery charging. When it is in charging, the status indicator will be blinking. If the battery is fully charged, the status indicator will be lit on yellow.

Download Application Software to memory card

- ► You have 2 options to download the application software and map data to your SD card.
- Option 1 (card reader): Insert the SD card into your card reader which is connected to your PC. (If you have a card reader, we suggest that you use it for a better data tranfer rate.)
- Option 2 (ActiveSync): Insert the SD card into the GV-201 and use the provided USB cable to connect GV-201 with your PC. (Before you can use this method, you have to install the USB driver for GV-201 and the Microsoft ActiveSync. Please see the following note for details.)



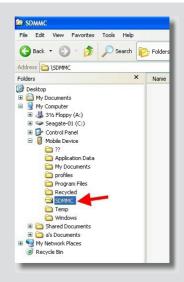
If you do not have Microsoft ActiveSync installed in your PC, please do so by double click on the "MSASYNC.EXE" from the DVD. And follow the instruction to install Microsoft ActiveSync.

After the USB driver and ActiveSync are installed, please open a windows explorer and you will find a "SDMMC" folder under the Mobile Device icon. The SDMMC is the SD card drive on your GV-201.

① Hint:

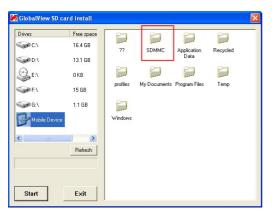
Follow this sequence will make your Windows to detect the GV-201 more easily:

- 1. Connect one end of USB cable to PC's USB port first.
- 2. Turn on the GV-201.
- 3. Connect the other end of USB cable to GV-201.



▶ Insert the DVD into the DVD-ROM, the installation program will automatically start as shown on the right figure. (If your autorun feature is disabled, please manually execute this program by double click the "auto.exe" from the root directory of DVD.) Click on "Make System Disk" button to load the application software and default map file to the SD card.





installation program

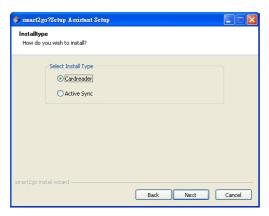
- ► If you use the Option 1 (card reader), just click on the drive letter of your SD card and click on "Start" button.
- ▶ If you use the Option 2 (ActiveSync), please select "Mobile Device", click on the "SDMMC" icon on the right, and click on "Start" button to begin to copy.
- ▶ When the copying process is finished, please continue to next step to load the map data and voice files.

► Click on "Install MapMaker" button, the Setup Assistant Wizard will start and you can select your preferred map regions and voice files to load into the SD card.





► Select the area and the voicefile which you want to install, click "Next" button to continue.



▶ It will show a message box to ask if you are using the Card reader or Navigator (by ActiveSync). Click on the way you want and it will continue to complete the insatllation.

Attach GV-201 to Car Holder



release

lock

- 1. Put the GV-201 downward to the holder.
- 2. Push the top of GV-201 inward to lock it in the clip.
- **3.** Attach the suction mount to the windshield and have the base of the device stabilized on the dashboard of your car.



Attach the suction mount to the windshield.

Let the base of the device stabilized on the dashboard of your car.

• It is suggested that you attach the car holder in the appropriate place in your car. Do not mount in front of an airbag panel or block the driver's vision.

Connecting the Car charger



1. Connect one end of the car charger to the AC adapter jack of the device.



Connect the other end of the car charger to the cigarette lighter in the car. The green LED power indicator on the car charger will be on which indicates the power is supplied.

Chapter 3 Software Application

System menu

The system menu screen controls the GV-201. All the main features can be accessed from the system menu with five icons. For these 5 programs on system menu, you can only run one of them at a time. When you switch to another program or press the "system menu button" on the device, the current program will be closed automatically.

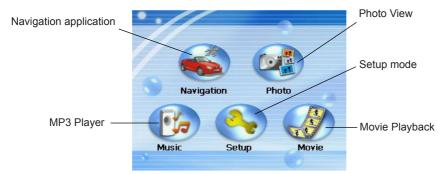


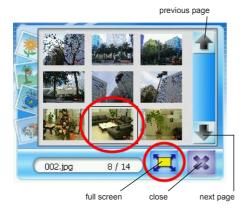
Photo View



Click on the **Photo** icon in system menu to enter the **Photo View** program. All the image files on the GV-201's memory cards will be searched for displaying. Any pictures found will be displayed as thumbnails as shown below.

On the image window, tap the **up** button to display previous page, or **down** button to display next page. Tap the **close** button to exit the Photo View.

To show an image in full screen mode simply select the picture by tapping on it, and then tap on the **full screen** button. In the full screen mode, it will automatically play each picture every 5 seconds. You can also manually tap the **up** and **down** buttons to view previous and next picture or tap **close** button on the left upper corner to exit the full screen mode.



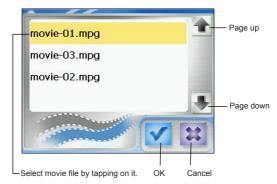


Movie Playback



You can store your movie files in the memory card and play them on GV-201. The supported movie files must be encoded in **mpg** and **dat** format. The GV-201 has a full function media player, which has play, stop, pause, forward and rewind functions in the movie player control. To enter the Movie Playback function, just click on the **Movie** icon in system menu.



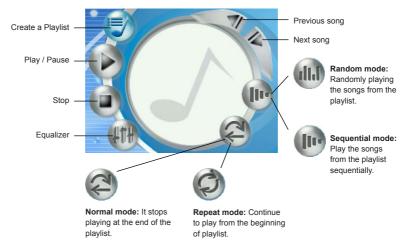


MP3 Player



From the system menu, click on **Music** icon to enter the MP3 Player program. The GV-201 will scan the memory card for all the MP3 audio file. Play lists can be created from the audio files. All the songs are played sequentially from a play list.

► Playback screen

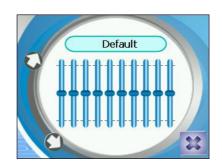


▶ Create a Playlist



► Equalizer

The MP3 Player has 4 equalizer settings to suit the style of the music. To select the style, simply click the **up** or **down** arrow button to switch between **Default**, **Classical**, **Rock** and **Metal** mode.



Setup



Click on the **Setup** icon from system menu, you can enter the setup mode to configure your GV-201.



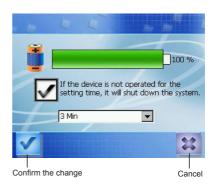
► About

Display the program version information.



▶ Power

From here you can see the remaining capacity of the battery. The auto shut down function is only valid when GV-201 is not connected to external power. If it is connecting to the AC adapter, the system will not be shut down even if you have checked this setting.



► System Information

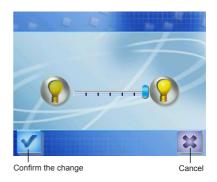
Display the free memory card capacities and the firmware version information



▶ Brightness

You can change the backlight brightness by tapping on the two bulb icons. Tap the left bulb to make the screen darker, or the right bulb to make the screen brighter.

Note: The backlight has 1~6 levels from left to right. For battery saving purpose, the brightness of level 4, 5 and 6 will be same if there is no external power connected.



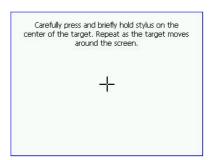
► Regional Setting

Set the User Interface language and the time zone.



▶ Screen

If you perform a hard reset, a new calibration setting of the screen is required. Tap on the center of the cross mark, repeat the action when it appears on the four corners of the screen.



Chapter 4 Navigation Application

Introduction

You have chosen a cutting-edge navigation system. Congratulations! Please enjoy using it. This navigation system leads you straight to your destination, whether you are travelling by car or on foot. You may navigate and plan your route with an easy to use and intuitive interface, just by using your finger. You may also use this application to plan your trip to suit your personal preferences and interests and to save interesting destinations before you set off on your trip. This manual leads you through the main features of the system.

Key features

- Cross-border navigation through 1 GB map (optional feature)
- · Dynamic Traffic Information, TMC (optional feature)
- · Real pedestrian mode
- State-of-the art polygon view of individual houses for selected European cities (optional feature)
- · Unique night mode
- Premium content through branded guides (optional feature)
- · Earth browse-like fade in

Quick Start

This section will walk you through using your Personal Navigation Device for the first time, acquainting you with the basic operation of the navigation system.

- Switch on the unit and tap on NAVIGATION in the first screen.
- If more than one language is available on your device, you are prompted to choose your language.



After the application loads, a screen with safety precautions will be shown. Please read them carefully. Afterwards, you can choose to hide these notes for future start-ups. You will be presented an earth view of your country. Please enjoy while you fly over your country and "touch down" on your current location. (You can also choose to skip this intro by tapping on the screen.)

Start Screen

The start screen is split in two. On the left hand you will find the menu buttons, on the right you see a map with your current GPS position.

NOTE: It is not possible to browse the map in the start screen. This screen merely shows your current GPS position, provided that you have a GPS connection.



With the buttons on the start screen you access all functions of the application:

- · Press **Destination** to choose your destination.
- Press Settings to adjust the application to suit your needs.
- · Press Save to save your current position.
- · Press Exit to guit the application.

On the bottom of the start screen, the following information will be shown:

- · your GPS status
- · the number of satellites the system is tracking
- · the name of the current street
- · your speed
- · vour elevation above mean sea level

Choose a destination

Select **Destination** to set your destination.
 A menu will open where you can choose a destination.
 You have various ways to select your destination:

Address: If you know the city and street address for your destination, simply enter it and the application will guide you directly there.

Favorites: Through Favorites you can choose to

be guided to your home address (**My Home**) or work address (**My Work**), select a previously saved location (**Bookmarks**) or a recently visited place (**Recent**).

POI: (Points of Interest): Through **POI** you can quickly find points of interest like petrol stations and restaurants and choose them for navigation. Those POIs are chosen from a database of millions of POI, either nearby or at a remote location. You can also search branded travel/city **Guides**, which contain loads of valuable information about attractions, restaurants, hotels, etc. with detailed descriptions.

NOTE: Guides are an optional feature and may be purchased at www.navi-plugins.com.



Map: Another way of choosing your destination is selecting it on the Map.

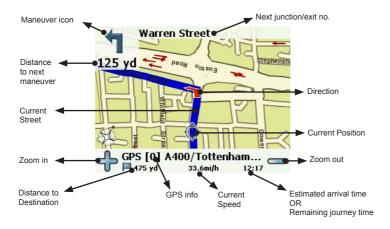
Plan Route: By selecting **Plan Route** you switch to the advanced route planning options. There you may plan your route by choosing multiple stopovers.

NOTE: With the back and forward arrows you may always step one level back/forward throughout the whole application.

Navigation Screen

On the navigation map, the route will be shown in blue. The red arrow will indicate the direction of your next maneuver. Crosshairs identify your current position. When you come up to a turn or other maneuver, you will hear a voice command at the appropriate time.

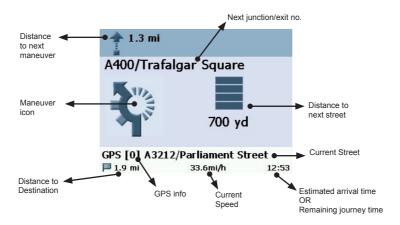
For one-way streets, the transit direction is indicated with a red arrow.



Arrow mode

You can choose to display the navigation screen in a simpler mode, the so called arrow mode. In this mode, only the most essential information will be shown – like arrows, street names, speed and time information.

- Tap on the screen during navigation to open the navigation options.
- Choose Settings.
- Choose the **Arrows/Map** symbol to switch between map and arrow modes.



Detailed Description

This chapter describes the functions of your Personal Navigation Device in detail. On the following pages you will learn how to

- Choose your destination
- Plan your route
- Configure the application

Choose your Destination

This section describes the different ways of setting your destination. You may search for an **address**, choose a **favourite** (like home and work address, your bookmarks and recently visited locations), browse through **POI** lists and guides and choose an address on the **map**.

► Address Search

Through the address search you can perform a search by entering information about the desired target (street and town/city). You may then select a hit

from the hit list and start navigating.

- On the start screen, choose **Destination**.
- On the following screen, choose Address.

The Find Address window will show in the display:



Enter the appropriate data to find your address.

Set the country

- · Press Country to select your city.
- · Choose your country from the list.

The **Country** field will be populated with the name of the chosen country.

Search for the city

• Press City to select your city.

The keypad screen will show on the screen.

- Enter the name of the town/city you are looking for (at least three characters).
- Press the search symbol (magnifying glass).

A hit list will be displayed.

Choose the appropriate town/city from the list.



NOTE: Switch between letter and number mode by pressing 123 or ABC.

Switch between upper case and lower case by pressing ^. If at any point you want to backspace and delete characters, press the backspace button <- on screen. To add a space, press the space bar_.

You will return to the **Find Address** screen. The **City** field will be populated with the name of the chosen town/city.

Search for the postal code

Instead of the city you may also enter the postal code.

- · Press Zip code to enter a postal code.
- Enter the zip code of the town/city you are looking for
- Press the search symbol (magnifying glass).

A hit list will be displayed.

· Choose the appropriate town/city from the list.



You will return to the **Find Address** screen. The **City** and **Zip code** fields will be populated with the chosen city/zip code.

NOTE: You can also enter a unique 7-digit postal code. In that case, you do not need to enter a street name. (Optional feature).

Search for the street

Once you have found the city or zip code you are ready to look for the street name.

- · Press Street to enter a street.
- Enter the name of the street you are looking for (at least three characters).
- · Press the search symbol (magnifying glass).

A hit list will be displayed.

· Choose the appropriate street from the list.

You will return to the **Find Address** screen. The name of the chosen street will be shown in the **Street** field

Additionally you may enter the number.



Navigate to the address found

Once you have narrowed down your search to a unique address, you can start navigation.

· Press the forward arrow.

Navigation will start immediately.

Favorites

Use your frequently used or favourite destinations for guidance. You can choose among your home, your work place, a set of personal bookmarks, and recently visited locations.

- · On the start screen, choose **Destination**.
- · On the following screen, choose Favorites.

The Favorites menu will show on the screen.



My Home

· Press My Home.

Your home address will be displayed on a map.

- · Choose Menu.
- On the following screen, choose Navigate to be guided to your home address (press Change or Delete if you want to change/delete your home address).

Navigation will start immediately.



NOTE: If no home address has been set, you are prompted to do so. You can choose it by searching for an address, through your current GPS position or by choosing a recently visited location.



My Work

- By pressing My Work, your work address will be displayed on a map.
- · Choose Menu.
- · On the following screen, choose Navigate to be guided to your work address (press Change or Delete if you want to change/delete your work address).

Navigation will start immediately.

NOTE: If no work address has been set, you are prompted to do so. You can choose it by searching for an address, through your current GPS position or by choosing a recently visited location.

Bookmarks

The bookmarks list contains the destinations you have saved as favorites (from the guides, by choosing it on a map, etc.). This means that you do not need to perform repeated searches for those destinations.

Press Bookmarks.

The bookmark list will show on the screen.

Use the up and down arrows to scroll up and down in the list.

- · Select an item by clicking on it.
- · On the following screen, choose Navigate to be guided to your bookmark (press Rename or **Delete** if you want to rename/delete your bookmark).

Navigation will start immediately.

NOTE: All user information like e.g. settings, bookmarks and recently visited locations will be stored on the memory card and not on the device.



Recent

By pressing **Recent** a list of recently visited or looked-up destinations will be opened.

Press Recent.

The list of recent items will show on the screen.

Use the up and down arrows to scroll up and down in the list.

Select an item by clicking on it.
 Navigation will start immediately.

Recent Saint Margaret Street Saint Margaret Street, London SW1A 0 Upfield Road, Hanwell, London Upfield Road, London (London/England) Uphill Grove, Mill Hill, London Uphill Grove, London (London/England) London City Airport London E162PX 6.3mi 6.3mi 7.6mi 7.6mi 7.6mi 7.6mi 8.7mi

▶ POI/Guides

With the POI finder you can quickly find points of interest like gas stations and restaurants that are chosen from a database of millions of POI, either nearby or at a remote location.

Within the POI menu you will see the guides, an optional and highly recommendable feature.

Branded travel/city guides will help you to find out what is nearby and will give you valuable information about attractions, restaurants, hotels, etc. with detailed descriptions.

POI

- · On the start screen, choose **Destination**.
- On the following screen, choose POI.

The POI menu will show on the screen.

- Press At location to look for POIs at a remote location. You need to enter a city or postal code through the keypad, similar to the address search.
- Press Nearby to open a list of POIs near your current location



NOTE: By pressing **Everywhere** you can perform an overall search, encompassing the whole POI directory as well as all guides.

A menu showing the POI categories will be shown.

· Press on the desired POI category.

A menu with subcategories will be shown.

Choose a subcategory.

A list of POIs will be shown.

- Select a POI by clicking on it.
- On the following screen, choose Navigate to be guided to the POI (press Info to show further details about the POI; press Map to show the POI on the map; or press Save to save the POI as a bookmark).

Navigation will start immediately.



Guides

Within the POI menu you will see the guides, an optional and highly recommendable feature. Branded travel/city guides will help you to find out what is nearby and will give you valuable information about attractions, restaurants, hotels, etc. with detailed descriptions. You may use the items contained in the guides for navigation or save them as bookmarks.

NOTE: Guides are an optional feature and may be purchased at www.navi-plugins.com

- · On the start screen, choose **Destination**.
- · On the following screen, choose POI.
- · Choose Guide.

The guide list will be shown.

· Select the guide you wish to use by clicking on it.



The categories page of the chosen guide will be displayed. You can now browse the guide by categories or search the guide.



Search the guide

- · Press the search symbol (magnifying glass).
- In the search window, enter a search term (at least three characters), and start searching by pressing the search symbol (magnifying glass).

The hit list will be displayed.

· Select an entry by tapping on it.

On the following menu you can ...

- get detailed information about the selected location by pressing **Detail**.
- explore the location's surroundings by pressing Map.
- · use the item for guidance by pressing Navi.
- · save the item as a bookmark by pressing Save.



Browse the guide by categories

On the categories page you may select from the different categories of the Guide (e.g. restaurants, hotels, bars, museums etc.).

· Use the up and down arrows to scroll in the list.

NOTE: Some guides also offer subcategories.

• Click on a category or subcategory to search for relevant items.

The search results will be shown in the hit list, sorted by distance.

· Select an entry by tapping on it.

On the following menu you can ...

- · get detailed information about the selected location by pressing Detail.
- · explore the location's surroundings by pressing Map.
- · use the item for guidance by pressing Navi.
- · save the item as a bookmark by pressing Save.

▶ Map

The map not only shows roads and squares, but also points of interest such as restaurants, cultural attractions, parking garages, etc. You can zoom out or zoom in to see all kinds of details.

- · On the start screen, choose **Destination**.
- · On the following screen, choose Map.
- · Choose Guide.

The general map will now be shown in the display:



Functions of buttons

Discover your surroundings by dragging the map with your finger (or with the pen).

- · Point at the symbol of a location to display its name.
- Use the scroll bar on the right to zoom in (down) or out (up).
- Use the symbol in the bottom right-hand corner of the map to toggle between 2D and 3D view
- With the compass icon (in the bottom left hand corner) you may adjust the orientation.

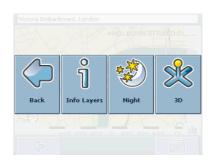
By pressing the menu symbol (bottom right-hand corner of the screen), you can access to further options, like saving the actual location as a bookmark, moving to the actual GPS position, navigating to the selected location, searching for an address, and accessing to a bookmark or a nearby point of interest. You can also change your settings:

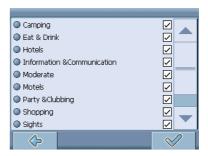
Map settings

- Press the menu symbol below the map.
- · On the menu displayed, press Settings.

The map settings menu will be displayed.

- Toggle between night and day modes by pressing the corresponding symbol.
- Toggle between 2D and 3D mode by pressing the corresponding symbol.
- Choose Info Layers to choose which kinds of elements are to be shown on the map:
- Check the boxes of any category you want to have displayed on the map. Uncheck those that should be hidden.
- Press the confirmation symbol in the bottom right-hand corner to select/deselect all categories.
- · Press the arrow symbol to return to the map.





NOTE: It is not possible to browse the map in the start screen. This screen merely shows your current GPS position; given you have a GPS connection.

Plan your Route

This section describes the route planning feature.

This feature allows you to plan your route in advance, choosing multiple stopovers along your journey.

- · On the start screen, choose Destination.
- · On the following screen, choose Plan Route.

The Destination List will be displayed.

Press the + symbol to add a stopover.

You will switch to the **Choose stopover** screen. You may choose stopovers like your home or work addresses, a bookmark, a point of interest, a recent location or by searching for an address or pinpointing a destination on the map.

Once you have added stopovers (with the + symbol) and returned to the **Destination List**, you have several options:

- With the + symbol you can choose additional stopovers.
- To change the order of the stopovers, select a stopover and then use the up and down arrows to move it up/down in the list.
- With the trash symbol you can delete a selected stopover.

Once you have chosen your route, you have several options. You reach those options by pressing the menu symbol (bottom right-hand corner of the screen).

- · Press Simulate to simulate the route to come.
- Press Start Navi to start guidance. The display will switch to the navigation map.
- With Routing the system will calculate your route. The Route Summary will be displayed.
 Tap on one of the items in the Route Summary to display the Waylist. Tap again to show the map view.









Settings

You can configure your Personal Navigation Device to suit your needs. When it comes to

navigating, you can, for example, choose to avoid or allow toll roads or ferries or select your mode of transportation, like a fast or slow car, a scooter or even your own feet. You can also edit several display settings, like 2D or 3D mode, day or night mode, map complexity, etc.

- On the start screen, choose Settings.

The settings screen will be shown.

Guidance Settings Language United Kingdom Back DS [6] 261 yd., 0.0m/h 13*24'51"E/52*32'46"N

► Guidance Settings

 Choose Guidance to change the guidance settings.

The window with the guidance settings will be displayed.

NOTE: If you have purchased additional features, like TMC, SpeedCam Alert or Route Recording, you can switch them on or off through this menu.



To switch between the modes just touch the icons. These will toggle so you can quickly see
the activated settings.

You can choose among the following options: Mode of transportation (fast car, slow car, motorbike, pedestrian, etc.), fastest or shortest route, allow or avoid toll roads, expressways, and ferries. You can also choose the distance unit (miles/kilometres).

NOTE: The London Congestion Zone in Central London is regarded as a toll road by your navigation system. Therefore, if you choose to avoid toll roads, you will not be guided through this zone. However, there will be no warning if you enter this zone accidentally.

Once you have chosen your settings, press the confirmation symbol to return to the main menu.

Settings (General Settings)

- Choose **Settings** to change the general settings. The windows with the general settings will be shown.
 - Press Info Layers to adjust the complexity of the map, i.e. to select which items are to be shown on the map.

The other settings include switching between day and night as well as 2D and 3D mode and adjusting the **Volume**.

· Press Back to return to the start screen.



Language

Choose Language to select the language of your navigation system.

▶ Map

If you have map data for different regions/cities on your memory card, tap on the name of the current region (e. g. London). All available maps on the memory card will be listed. You can choose the desired region by simply tapping on its name.

► Change settings during navigation

 Touch the screen during guidance to open the settings screen.

Here you will find the following items:

Settings

Open a menu with general settings, as described in Settings (General Settings). Additionally you can toggle between map and arrow mode for guidance.



NOTE: When you change to the arrow mode, the navigation screen will not show the map but only an arrow indicating the upcoming maneuver.

Guidance

Change the guidance options, as described in Guidance Settings.

Alt. route

With this option, you can choose to block the calculated route for a given distance (e. g. 0.5 km) and force an alternative route. Simply tap on the icon which shows the desired distance. Your route will be recalculated, and the previous route will be discarded for the given distance.

Save

Save your actual position as a bookmark.

Traffic Info.

Show a list of traffic jams. Traffic jams along your route will be displayed in red.

Nearby

You can redirect your route by choosing a point of interest (POI), like a gas station.

NOTE: All user information like e.g. settings, bookmarks and recently visited locations will be stored on the memory card and not on the device.

Optional Features

You can further enhance your Personal Navigation Device through a set of optional features. The following features are available as options for your navigation system:

- · Guides
- Traffic Message Channel (TMC)
- · Route Recording
- · Speed Camera Alert

Guides

At www.navi-plugins.com you can find lots of valuable information services, including directory services, WiFi hotspot locators, and city guides. City guides contain detailed information about locations, such as descriptions, contact information, prices, opening times, etc.

To purchase the guides and to learn how to download them, please go to www.navi-plugins.com. To learn how to use the guides, see POI/Guides.

Traffic Message Channel (TMC)

Depending on your device, you may upgrade your navigation system and receive dynamic traffic information (Traffic Message Channel, TMC).

 In the start screen choose Settings and then Guidance.

The window showing the guidance settings will be displayed.

 Press the TMC button (transmitter symbol) to switch between the TMC settings Automatic,
 Manual and Off.



With the **Automatic** option, your Personal Navigation Device will automatically guide you around all the traffic jams on your route. With the **Manual** option your navigation system will alert you about traffic jams and ask you if you would like to switch to an alternate route.

Route Recording

The route recording function enables you to record your routes. You may save your traces and import them in all kind of NMEA programs. By that you can e.g. document your trips.

• To do so, tap the display during navigation and select **Record On**.

The button will toggle to **Record out** and will store your route until you tap on it again.

· Press the back arrow to step back to the navigation screen.

Speed Camera Alert

With the speed camera function you can choose to detect and display speed cameras along your way.

- On the start screen, press Settings and then Guidance.
- Press SpeedCam until the SpeedCam icon appears in its activated state.

In the event that speed cameras are located on your journey a warning will be received. For each camera you will receive two alerts. Each alert consists of an audible beep and a message displayed on screen telling you the camera type and distance from it.

Frequently Asked Questions

I can't find an address.

Please make sure you have correctly spelled your entry. If you do not know how an address is spelled correctly, simply enter the parts of the address, you know for sure (e.g. "Lond", "Leic" for Leicester Square in London). Then browse in the result list and look for the address. Also make sure that the city in which you are looking for an address is correct. Sometimes the official postal address differs from the address you are looking for. In that case, search for an address nearby that you know of and browse on the map.

I have problems to get a GPS fix.

If you have problems getting a satellite fix with the GPS (you can see how many satellites are being received on the main menu at the bottom left) please make sure, that you are outside and the GPS antenna has a good visibility to the open sky. Some models also do support an additional external active antenna. Please also consult with the hardware manual of your device to get further information of how to obtain a GPS fix.

Where can I get technical support?

Please contact the manufacturer or your retail store.

Where can I get software updates?

Please contact the manufacturer or your retail store for information about software updates.

Where can I get additional maps and guides?

Please contact the manufacturer or your retail store.

Chapter 5 Troubleshooting

► If the GV-201 does not boot up successfully or does not function properly:

- 1. Please check if the Application software is properly installed in the memory card.
- 2. Please check if the SD memory card is inserted into the SD expansion slot.
- 3. Please check if the *battery power*. (A red light indicates the battery power is low and needs to be charged. An yellow light will start to blink when it is in charging status, and the yellow light will be on when the battery is fully charged.)
- Perform the "Soft Reset". If this doesn't solve your problem, perform the "Hard Reset". (Performing a Hard Reset should solve most of the problems.)

► Soft Reset and Hard Reset:

If your GV-201 is down or it encounters an unexpected error, you can reset it. There are two types of reset: a hard reset and a soft reset. You will need to use a stylus or pencil to press the reset button

Soft Reset

Pressing the reset button will restart the system retaining all the information stored on the device.

Hard Reset

A hard reset will re-initialize the GV-201 back to the factory settings. You should not need to use this under normal operating conditions. To start a hard reset, you need to press and hold the reset button meanwhile pressing down the power button.

Note 1: A hard reset will delete some of the information stored on the device and revert to its original factory settings. All data stored on the memory card, such as music files and movie files will be retained.

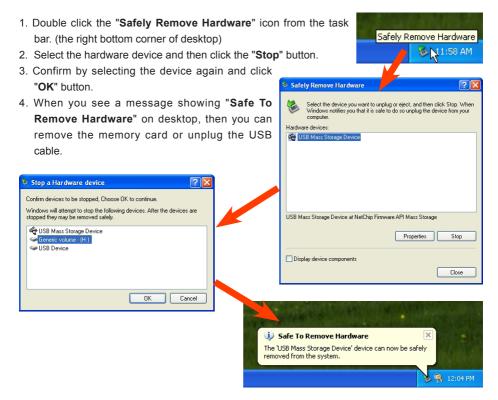
Note 2: When the system has been hard reset, the screen needs to be aligned before it can be used. The screen correction program will start automatically. Using the stylus to tap on the cross mark in the middle of the screen. The cross mark will now move to the upper left corner. Tap it in the center again. Repeat this for the remaining 3 corners. If this failed, please repeat from the beginning. After all the steps are finished, touch the screen again and the system menu will appear on the display.

► Format the memory card

It is important that your SD memory card must be formatted as FAT (not FAT32).

► Safely Remove Hardware

Before you remove the memory card from the card reader, or before you unplug the USB cable from the device or USB port, please safely remove the hardware by the following processes:



If your car windows equipped with Window Films for reducing heat and blocking the harmful UV rays, it may also slightly affect the receiving of GPS signal. Thus, the cold start time will take longer then usual.

If the car is moving, it may also affect the time for GPS fix. We suggest that you stop the car while you turn on the GV-201 for a quicker GPS fix time.

Please avoid excessive heat and humidity. Please do not leave the GV-201 in your car under the direct sunshine with windows closed. Place it in a high temperature environment may damage its LCD display or the device.

FCC Notices

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC RF Exposure requirements:

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.